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**INFORMATION DISCLOSURE
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Applicant(s): Wang et al.

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U.S. PATENT DOCUMENTS

Exam. Init.	Publication/ Patent Number	Publication/ Issue Date	Patentee	Class	Subclass	Filing Date
2005/	0 1 8 2 1 5 8	08/18/2005	Ziser et al.			
	5 5 1 4 7 5 3	05/07/1996	Ozawa et al.			
	6 3 7 9 7 9 1	04/30/2002	Cernohous et al.			
	6 4 4 8 3 5 3	09/10/2002	Nelson et al.			
	7 2 1 7 7 7 5	05/15/2007	Castner			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Exam. Init.	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Relevant pages, Place of Publication***)**

	Borukhov, Itamar et al., "Enthalpic Stabilization of Brush-Coated Particles in a Polymer Melt", Macromolecules, Vol. 35, pp. 5171-5182 (2002).
	Braun, Hartmut et al., "Enthalpic interaction of diblock copolymers with immiscible polymer blend components", Polymer Bulletin, Vol. 32, pp. 241-248 (1994).
	Brown, H.R. et al., "Communications to the Editor: Enthalpy-Driven Swelling of a Polymer Brush", Macromolecules, Vol. 23, pp. 3383-3385 (1990).
	Cahn, John W., "Phase Separation by Spinodal Decomposition in Isotropic Systems", The Journal of Chemical Physics, Vol. 42, No. 1, pp. 93-99 (January 1, 1965).
	Chen, Ming-Qing et al., "Nanosphere Formation in Copolymerization of Methyl Methacrylate with Poly(ethylene glycol) Macromonomers", Journal of Polymer Science: Part A: Polymer Chemistry, Vol. 38, pp. 1811- 1817 (2000).
	Ferreira, Paula G. et al., "Scaling Law for Entropic Effects at Interfaces between Grafted Layers and Polymer Melts", Macromolecules, Vol. 31, pp. 3994-4003 (1998).
	Gay, C., "Wetting of a Polymer Brush by a Chemically Identical Polymer Melt", Macromolecules, Vol. 30, pp. 5939-5943 (1997).
	Halperin, A., "Polymeric Micelles: A Star Model", Macromolecules, Vol. 20, pp. 2943-2946 (1987).
	Hasegawa, Ryuichi et al., "Optimum Graft Density for Dispersing Particles in Polymer Melts", Macromolecules, Vol. 29, pp. 6656-6662 (1996).
	Kraus, Gerard, "Mechanical Losses in Carbon-Black-Filled Rubbers", Journal of Applied Polymer Science: Applied Polymer Symposium, Vol. 39, pp. 75-92 (1984).
	Ligoure, Christian, "Adhesion between a Polymer Brush and an Elastomer: A Self-Consistent Mean Field Model", Macromolecules, Vol. 29, pp. 5459-5468 (1996).
	Matsen, M.W., "Phase Behavior of Block Copolymer/Homopolymer Blends", Macromolecules, Vol. 28, pp. 5765-5773 (1995).
	Milner, S.T. et al., "Theory of the Grafted Polymer Brush", Macromolecules, Vol. 21, pp. 2610-2619 (1988).
	Milner, S.T. et al., "End-Confined Polymers: Corrections to the Newtonian Limit", Macromolecules, Vol. 22, pp. 489-490 (1989).
	Noolandi, Jaan et al., "Theory of Block Copolymer Micelles in Solution", Macromolecules, Vol. 16, pp. 1443-1448 (1983).
	Semenov, A.N., "Theory of Diblock-Copolymer Segregation to the Interface and Free Surface of a Homopolymer Layer", Macromolecules, Vol. 25, pp. 4967-4977 (1992).
	Semenov, A.N., "Phase Equilibria in Block Copolymer-Homopolymer Mixtures", Macromolecules, Vol. 26, pp. 2273-2281 (1993).
	Shull, Kenneth R., "End-Adsorbed Polymer Brushes in High- and Low-Molecular-Weight Matrices", Macromolecules, Vol. 29, pp. 2659-2666 (1996).
	Whitmore, Mark Douglas et al., "Theory of Micelle Formation in Block Copolymer-Homopolymer Blends", Macromolecules, Vol. 18, pp. 657-665 (1985).

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /O.A./

		Wijmans, C.M. et al., "Effect of Free Polymer on the Structure of a Polymer Brush and Interaction between Two Polymer Brushes", Macromolecules, Vol. 27, pp. 3238-3248 (1994).
		Witten, T.A. et al., "Stress Relaxation in the Lamellar Copolymer Mesophase", Macromolecules, Vol. 23, pp. 824-829 (1990).
		Worsfold, Denis J. et al., "Preparation et caracterisation de polymeres-modele a structure en etoile, par copolymerisation sequencee anionique", Canadian Journal of Chemistry, Vol. 47, pp. 3379-3385 (March 20, 1969).
Examiner	/Olga Asinovsky/	Date Considered 05/17/2008
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. /Olga Asinovsky/		

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